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PHOTOGRAPHIC INTERPRETATION REPORT



[REDACTED]

LU-SHUN COMPLEX

CHINA

NPIC/R-244/65

JULY 1965

DECLASS REVIEW by NIMA/DOD

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
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W A R N I N G

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LU-SHUN COMPLEX, CHINA

INTRODUCTION

This is one of a series of reports on Chinese Communist shipyards and port facilities observed on aerial photography.

The Lu-shun Complex [redacted] is located in China on the southern coast of the Liao-tung Pan-tao (peninsula) which extends between the Po Hoi (Gulf of Chih-li) and Korea Chiang (Bay) at 38-48N 121-16E (Figure 1). This area is also known as Port Arthur.

DESCRIPTION

The port complex is located in the southwestern sector of the urban area and is divided into 3 separate units: the Naval Base and Shipyard [redacted] the Submarine Base [redacted] and the Port Facilities. This report deals only with these units of the

port complex and does not include the area coastal defense installations or surrounding naval activity. Only those vessels in repair or construction status will have notations under the status column in Table 3A.

The port facilities (Figure 2) are located along the northeastern shore of Hsi Chiang (Bay) and consist of 2 piers, 1 L-head pier, 1 small T-head pier, 1 offshore wharf and a quayed area. One small pier was removed during the period of comparative coverage [redacted]. Only vessels that have a military connotation are listed under the port facilities. No attempt has been made to identify the numerous tugs, yard craft, and barges.

The wharf and two piers have rail and road access; however, the rail spurs appear to be utilized mainly for the supply of coal to the area rather than the transfer of stores and sup-

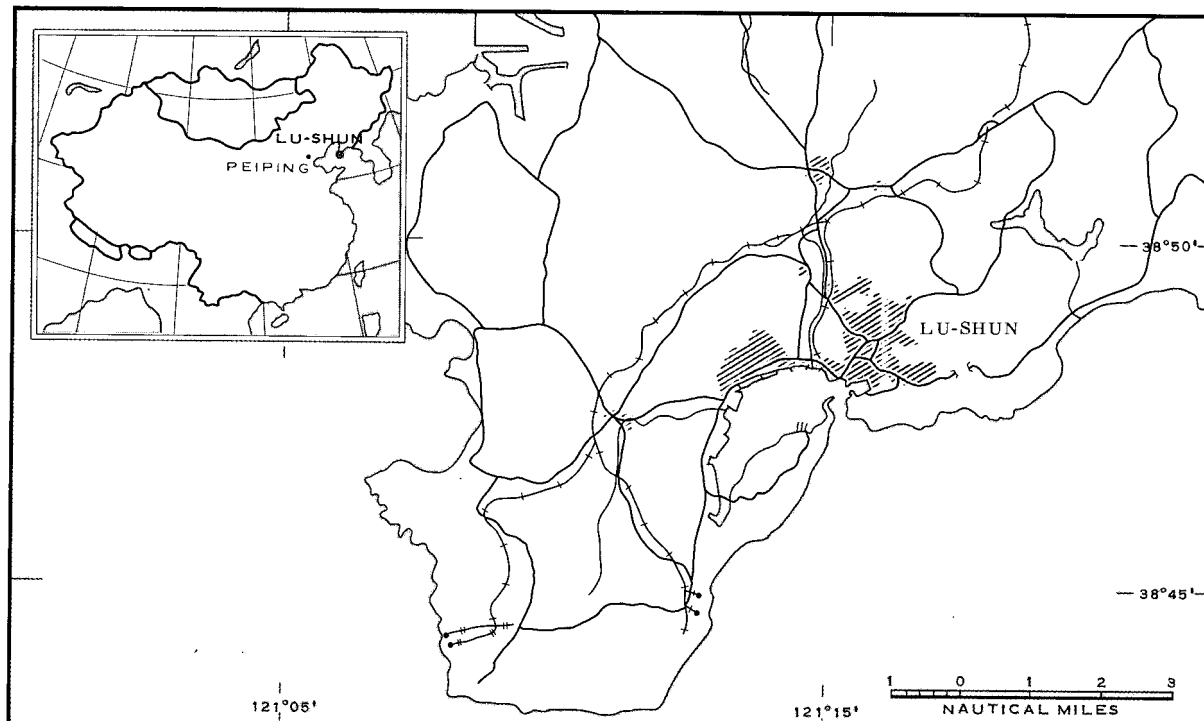


FIGURE 1. LOCATION OF LU-SHUN, CHINA.

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plies at dockside. A possible program of harbor improvement may have been taking place [redacted]

[redacted] as a dredge was located offshore from the port facilities.

The Submarine Base (Figure 3) is located along the southern coast of Hsi Chiang (Bay) and on the Lao-hu-wei Pan-tao (peninsula). Facilities consist of 4 piers. This base is divided into 2 areas with the operations area on the north coast of the peninsula and support area in the middle of the peninsula.

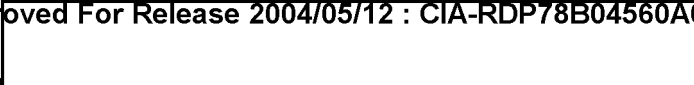
Only minor changes have taken place at this base [redacted] with 15 buildings constructed and 6 tent-like structures with possibly solid walls removed.

The Naval Base and Shipyard (Figure 4)

is located on Tung Chiang (Bay) and surrounds the bay. Facilities consist of 2 graving docks, 3 building/repairways, 1 pier, 1 T-head pier, 1 mole, and numerous quayed areas. Handling facilities consist of 3 portal jib cranes. Five buildings and 2 rows of 5 horizontal tanks each were removed during the period of comparative coverage, while 9 buildings and 2 rows of 7 horizontal tanks each were added.

This base and shipyard is used almost exclusively for the repair and modification of vessels. Expansion of facilities is in progress in the southeastern section with 6 new buildings constructed during the period of comparative coverage and large amounts of building material in open storage.

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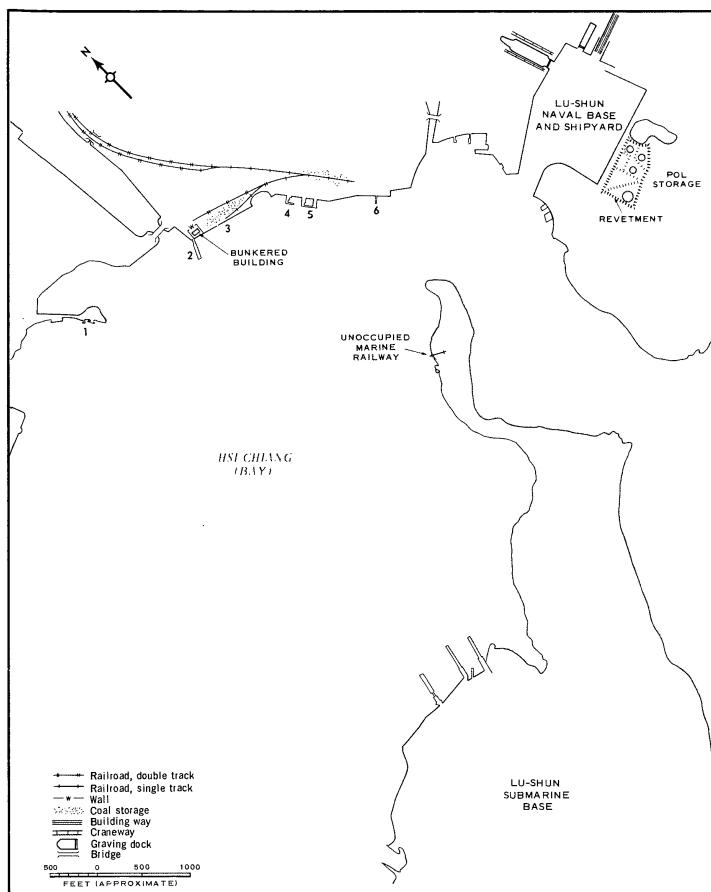


Table 1. Port Facilities (Keyed to Figure 2)

Item	Function	Dimensions
1	T-Head pier	30 x 10
	Approach	10
2	Pier	170 x 40
	Approach	15
3	Quay	760
4	L-Head pier	85 x 25
	Approach	25
5	Marginal wharf	145 x 25
	Approaches (2)	25
6	Pier	80 x 15

Table 1A. Vessels at Port Facilities (Keyed to Figure 2)

Identification

Kronshtadt-class PC (2)
U/I surface combatant (250 x 30 ft)

US LST-1-class LST
Kronshtadt-class PC

Possible US LST-1-class LST
Possible T-43-class MSF
Possible Kronshtadt
Possible surface combatant (250 x 30 ft)

US LST-1-class LST
U/I surface combatant (250 x 30 ft)

T-43-class MSF
Kronshtadt-class PC
Possible Kaibokan-class PF

T-43-class MSF
Kaibokan II-class PF
Kronshtadt-class PC

FIGURE 2. PORT FACILITIES, LU-SHUN, CHINA.

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Table 2A. Vessels at Submarine Base (Keyed to Figure 3)

Location			
1	Probable W-class SS	W-class SS (4)	W-class SS
3	Probable W-class SS (5)	W-class SS (4)	W-class SS (2)
4	Probable W-class SS (2)	Floating crane	Floating crane
	U/I vessel	Possible S-class SS	W/S-class (2)
	Probable W-class SS		W-class SS
			Tug

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Location			
1	W-class SS	Probable W-class SS (2)	W-class SS (2)
3	Probable W-class SS (4)	Probable W-class SS (2)	W-class SS
4	(Approach in place, pier missing)	Floating crane	Possible R-class SS
	Probable W-class SS		Floating crane
	Lighter		
	U/I vessel		

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Table 2A. Vessels at Naval Base and Shipped (Keyed to Figure 1)

Location	Identification	Dimensions (ft)	Status	Location	Identification	Dimensions (ft)	Status	Location	Identification	Dimensions (ft)	Status
1	U/I vessels (2)	55-70		14	U/I vessels (6)	70-90		9	W-class SS	110 x 30	Repair
2	(No construction)			17	Possible vessel	70 x 15		18	Barge (2)	100 x 30	Repair
4	U/I vessels (3)	75 x 15	All on Quay	18	Merchant ships (2)	215 x 45		11	U/I vessel	170 x 30	Repair
4	P-4-class PT (9)			18	Merchant ships (2)	215 x 45		11	W-class SS	170 x 30	Repair
7	P-4-class PT (11)	95 x 45	8 on Quay	19	Tag	85 x 30		12	S-1-class SS		Possible repair
7	P-4-class PT (14)			19	Tag	85 x 30		12	Konrad-class PC		Possible repair
9	W-class SS	225 x 30		19	Small vessels (4)	60-90		12	Flower-class OPF		Possible repair
9	Possible ATA	85 x 30		19	Only-class ODD	200 x 35		15	U/I vessels (2)	90 x 30	Possible repair
9	U/I vessels (8)	60-65		19	Possible OPF	200 x 35		15	Konrad-class PTG		Possible repair
9	Flaming crane	95 x 45	Repair	19	U/I hull	70 x 20	Painted at both ends	15	U/I hull	70 x 20	Possible repair
9	U/I vessel	140 x 30	Repair	19	U/I vessel	90 x 20	Painted at both ends	15	U/I small craft (4)		On quay
11	Possible T-49-class MSF (2)		Possible repair	20	Barge	100		16	U/I vessels (2)	90 x 15	Possible construction
Mission GRC 125				20	Pontoon or possible floating fuel barge (7)			17	Barge	70 x 20	Double point
2	U/I vessels (3)	70-90	1 partially canvas-covered	Mission GRC 149				18	U/I vessel	90 x 20	
4	U/I vessels (2)	70 x 15	On quay	1	U/I vessel			18	LST-I-class LST	95 x 45	
4	U/I vessel (1)			2	U/I vessels (2)			19	Flaming crane		
4	P-4-class PT (8)			4	U/I vessels (2)			19	Possible P-4-class PT		
7	P-4-class PT (10)	95 x 45		6	P-4-class PT (3)		12 on quay	19	U/I vessels (2)	90 x 30	
7	Flaming crane			6	P-4-class PT (14)			19	Barge	225 x 30	
7	Only-class ODD			7	Flaming crane	95 x 45		19	U/I vessel	90 x 25	
7	P-4-class PT (3)	140 x 30		7	Possible PF	230 x 35		20	LST-I-class LST		
11	US LST-I-class ATA		Repair	7	Possible tug	150 x 35		20	Pontoon (4) or possible floating fuel tank		1 on quay
11	Tag	95 x 25	Repair	9	P-4-class PT (4)	80 x 20		20	Pontoon (2) or possible floating fuel tanks		
12	U/I vessels (5)	60-110	Repair	9	Possible tug (2)	100 x 20					
12	Possible tug	80 x 25	Repair	9	U/I vessel	100 x 20					
12	U/I vessels (5)		Repair	9	Possible LST-I-class LST						
15	U/I vessel		On quay	9	Possible PC	150 x 25	Repair	Mission C384C			
15	Flaming crane		Repair	11	U/I small craft (3)	80 thru 40	Repair	1	U/I vessel	75 x 15	
16	U/I vessels (2)	90 x 20	Repair	11	Possible PC			2	U/I vessel		
16	U/I small craft (2)	70-90	Possible construction	12	W-class SS (2)		Possible repair	2	Possible PT (4)	75 x 15	
17	Section of U/I vessel	70 x 15		12	Possible T-40-class MSF		Possible repair	4	U/I vessels (2)	75 x 15	On quay
18	US LST-I-class LST			13	Possible T-40-class MSF		Repair	4	U/I vessel (2)	75 x 15	On quay
18	Coastal vessel	230 x 35	Repair	15	Possible P-4-class PT			6	P-4-class PT (14)	95 x 45	On quay
18	Kalibak II-class PF			15	Possible tug (2)	80 x 20		6	Flaming crane		
18	Coastal vessel (4)	100 x 20	Repair	15	U/I small craft (2)		On quay	6	Konrad-class PTOM		
18	Possible P-4-class PT			15	U/I vessel	100 x 20	On quay	6	Quac-class PTG		
19	W-class SS	225 x 30		15	U/I vessel	100 x 20	On quay	6	P-4-class PT (4)		1 without torpedo tubes
19	Coaster	70 x 20	Painted at both ends	16	Small craft (1)	70-90	Under construction	7	Hull	50 x 15	
19	U/I vessels (2)			16	Small craft	70 x 15		7	Dredge		
19	Hull	300 x 10		16	US LST-I-class LST			7	Kalibak II-class PF		
19	Coaster	150 x 25		16	Merchant ships (2)	225 x 35		7	Konrad-class PC		
20	Possible pontoon or floating fuel tanks (8)			16	Flaming dredge	180 x 35		7	U/I vessel	225 x 30	
20	Possible pontoon or floating fuel tanks (3)			19	Barge	125 x 25		7	P-4-class PT (2)		
Mission GRC 150				19	Tag	100 x 20		7	U/I vessels (2)	95 x 20	
2	U/I vessels (3)	50-60		19	U/I vessels (4)	100 x 20		7	Flaming station door	100 x 20	
4	U/I vessels (2)	75 x 15	On quay	19	Possible Kalibak-class PF			11	W-class SS	250 LOA	Possible repair
4	U/I vessel		On quay	19	U/I hull	300 x 25		11	Swatow-class PGM (2)		Possible repair
6	P-4-class PT (18)		1 on quay	19	Barge	80 x 20	Pointed at both ends	12	Bahutun-class OPF		Possible repair
6	P-4-class PT (11)		1 minus torpedo tubes	19	U/I vessel	100 x 25	Pointed at both ends	13	Swatow-class PGM		Possible repair
7	Flaming crane	95 x 45		19	Possible coastal vessel	150 x 25		13	3 P-4-class PT (6)		Possible repair
7	T-40-class MSF (2)			19	Barge (2)	110 x 20		13	U/I vessel		On quay
7	W-class SS	80 x 15	On quay	19	U/I vessel	150 x 25		16	U/I vessels (3)	80 x 15	Possible construction
7	LST-I-class LST		Repair	19	U/I objects (6)	40-50		16	U/I vessels (2)	80 x 15	Possible construction
7	Possible Builava-class ATA			19	Possible floating crane			17	U/I hull	65 x 15	Possible construction
11	W-class SS			Mission C344C				18	LST-I-class LST (2)		
19	P-4-class PT (2)	145 x 30	Possible repair	1	U/I vessel			18	LST-I-class LST	95 x 45	
19	Possible ATA	120 x 20	Possible repair	2	Possible PC (4)	75 x 15	On quay	19	Flaming crane		
19	U/I vessel	80 x 15	Possible repair	4	U/I vessels (2)	75 x 15	On quay	19	U/I vessels (5)	60-80	
19	Barge	110 x 30	Repair	6	P-4-class PT (18)		On quay	19	U/I vessel	225 x 30	
19	U/I vessel	100 x 20	On quay	6	P-4-class PT (18)		On quay	19	ATA	150 x 30	
19	U/I vessel	80 x 20	On quay	7	Flaming crane	95 x 45	On quay	19	Barge	90 x 25	
19	U/I vessels (2)	35 x 10	On quay	7	Twister	250 x 30	On quay	19	Swatow-class PGM	95 x 30	Double point
				7	Dredge		On quay	19	U/I vessel	70 x 25	Double point
				7	Kalibak II-class PF		On quay	19	Possible ATA	80 x 20	
				7				19	U/I vessel	90 x 20	
				7				19	Pontoon (2) and 1 possible floating fuel tank		

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MAPS

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REQUIREMENT

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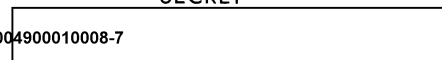


NPIC PROJECT

12037/64 (partial answer)

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